

**DEPARTMENT OF TRANSPORTATION**

DIVISION OF ENGINEERING SERVICES

Office of Structural Materials

Quality Assurance and Source Inspection



Bay Area Branch  
690 Walnut Ave. St. 150  
Vallejo, CA 94592-1133  
(707) 649-5453  
(707) 649-5493

Contract #: 04-0120F4Cty: SF/ALA Rte: 80 PM: 13.2/13.9File #: 69.28**WELDING INSPECTION REPORT****Resident Engineer:** Pursell, Gary**Address:** 333 Burma Road**City:** Oakland, CA 94607**Report No:** WIR-004682**Date Inspected:** 19-Nov-2008**Project Name:** SAS Superstructure**OSM Arrival Time:** 1400**Prime Contractor:** American Bridge/Fluor Enterprises, a JV**OSM Departure Time:** 2300**Contractor:** Zhenhua Port Machinery Company, Ltd (ZPMC), Changxing Island **Location:** Shanghai, China**CWI Name:** Chen Chih-Ming**CWI Present:** Yes No**Inspected CWI report:** Yes No N/A**Rod Oven in Use:** Yes No N/A**Electrode to specification:** Yes No N/A**Weld Procedures Followed:** Yes No N/A**Qualified Welders:** Yes No N/A**Verified Joint Fit-up:** Yes No N/A**Approved Drawings:** Yes No N/A**Approved WPS:** Yes No N/A**Delayed / Cancelled:** Yes No N/A**Bridge No:** 34-0006**Component:** deck panel**Summary of Items Observed:**

On this day CALTRANS OSM Quality Assurance Inspector (QA) Steve Hall was present during the times noted above for observations relative to the fabrication of the SAS Superstructure being performed by Zhenhua Port Machinery Company (ZPMC) at Changxing Island, in Shanghai, China. QA observed and/or found the following:

OBG assembly bay 2

QA assisted Caltrans QA Mr. Ricardo Madina perform gate to gate (G2G) preliminary Ultrasonic Testing (UT) at tacked areas on u-rib to deck plate PJP welds for the following deck panel:

DP-162-001:

Weld# 1 – 26 tacks UT'ed – 0 indications  
Weld# 2 – 26 tacks UT'ed – 1 indications  
Weld# 3 – 26 tacks UT'ed – 1 indications  
Weld# 4 – 26 tacks UT'ed – 3 indications  
Weld# 5 – 26 tacks UT'ed – 2 indications  
Weld# 6 – 26 tacks UT'ed – 3 indications  
Weld# 7 – 26 tacks UT'ed – 0 indications  
Weld# 8 – 26 tacks UT'ed – 1 indications  
Weld# 9 – 26 tacks UT'ed – 0 indications  
Weld# 10 – 26 tacks UT'ed – 3 indications

---

## WELDING INSPECTION REPORT

( Continued Page 2 of 2 )

---

QA completed the G2G UT on this deck panel and recorded the Y locations on this deck panel on the tack weld assessment sheet.

### Summary of Conversations:

Only general conversation was held between QA and QC concerning this project.

### Comments

This report is for the purpose of determining conformance with the contract documents and is not for the purpose of making repair or fit for purpose recommendations. Should you require recommendations concerning repairs or remedial efforts please contact Ryan Smith, (858) 232-6799, who represents the Office of Structural Materials for your project.

---

<b>Inspected By:</b>	Hall,Steven	Quality Assurance Inspector
<b>Reviewed By:</b>	Cuellar,Robert	QA Reviewer

---